



Quartz Crystal Oscillator (5.0 x 3.2 x 1.3mm, HCMOS/TTL)

● Dimension and Recommended Soldering Pattern

5032-4
(4 Pads)

Pin	Function
1	N/C or tri-state
2	Ground
3	Output
4	Vdd

Unit: mm
Tolerance unless specified: $\pm 0.15\text{mm}$

RoHS Compliant
Directive 2002/95/EC

REACH Compliant
(15 SVHCs)
Regulation (EC) No.
1907/2006

TS16949:2002
Certified

● Electrical Specifications

Holder type	5032-4 (5.0 x 3.2 x 1.3mm, surface-mounted, 4 pads)
Frequency range	1.0000MHz to 150.000MHz
Frequency stability	$\pm 25\text{ppm}$ to $\pm 50\text{ppm}$
Supply voltage	1.8V, 2.5V, 2.85V, 3.3V or 5.0V (tolerance: $\pm 10\%$)
Operating temperature range	$-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$ to $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
Storage temperature range	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ to $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
Symmetry (duty cycle)	40 / 60 standard
Output load	10 TTL or 15pF HCMOS
Current consumption (15pF only, 5.0V)	
- 1.0000 to 36.000MHz	25mA max.
- 36.000 to 70.000MHz	60mA max.
- 70.000 to 150.00MHz	80mA max.
Current consumption (15pF only, 1.8V, 2.5V, 2.85V, 3.3V)	
- 1.0000 to 36.000MHz	20mA max.
- 36.000 to 70.000MHz	40mA max.
- 70.000 to 150.00MHz	60mA max.
Rise / fall time	10ns max.

- The above information is for reference only. For other frequencies or specifications, please consult with our sales representatives for details.

● Test Circuit

